

***NATIONAL WEATHER SERVICE WESTERN REGION SUPPLEMENT 12-2002  
APPLICABLE TO INSTRUCTION NWSI 10-903  
JULY 9, 2004***

***Operations and Services  
Hydrologic Services, NWSPD 10-9  
Geographic Areas of Responsibility, NWSI 10-903***

***DESCRIPTION OF WESTERN REGION HYDROLOGIC SERVICE AREAS***

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**SUMMARY OF REVISIONS:** This supplement supersedes Western Region Supplement 12-2002 dated 12/31/02 applicable to NWS instruction 10-903. It includes the following revision.

- (1) Changed description of Elko and Las Vegas HSAs to give responsibility for northern Nye County to Elko instead of Las Vegas.
- (2) Corrected Boise's HSA description to include the Snake River where it touches Pendleton's HSA.

<u>Signed</u>	<u>06/24/04</u>
Vickie Nadolski	Date
Director, Western Region	

Table of Contents:

1. Purpose.....	2
2. Description of Hydrologic Service Areas .....	2

1. Purpose: Each weather forecast office (WFO) is responsible for a hydrologic service area (HSA). These areas mirror the county warning areas (CWA) fairly closely; however, there are differences. The purpose of this supplement is to provide detailed descriptions of the HSAs for each WFO.

2. Description of Hydrologic Service Areas:

Billings, MT (BYZ)

Rivers in or touching the following Montana counties: Big Horn, Carbon, Carter, Custer, Fallon, Golden Valley, Musselshell, Park, Power River, Rosebud, Stillwater, Sweet Grass, Treasure, Wheatland and Yellowstone.

Rivers in or touching Sheridan County, Wyoming.

Excludes the short section of the Musselshell River where it touches Glasgow's HSA.

Boise, ID (BOI)

Rivers in or touching the following Idaho counties: Ada, Adams, Boise, Camas, Canyon, Elmore, Gem, Gooding, Jerome, Owyhee, Payette, Twin Falls, Valley and Washington.

Rivers in or touching the following Oregon counties: Baker, Harney and Malheur.

Includes:

- The north fork of the Powder River, which forms a boundary between Union and Baker counties in Oregon
- The Middle Fork Salmon River where it forms a boundary between Missoula and Boise's HSA

Excludes:

- The Little Salmon River where it touches Missoula's HSA

Elko, NV (LKN)

Rivers in or touching the following Nevada counties: Elko, Eureka, Humboldt, Lander, White Pine, and northern Nye.

Eureka, CA (EKA)

Rivers in or touching the following California counties: Del Norte, Humboldt, Mendocino and Trinity.

Flagstaff, AZ (FGZ)

Rivers in or touching the following Arizona counties: Apache, Navajo and Yavapai.

Includes:

- The portion of the Santa Maria River which forms a boundary between Mohave and La Paz Counties
- The East Verde River basin in Gila County
- Coconino County south of the Colorado River

Excludes:

- The Colorado River in Coconino county
- The portions of the Agua Fria River which touch other HSAs
- The White River basin
- The Black River basin
- The inflow point to Horseshoe Reservoir on the Verde River

Glasgow, MT (GGW)

Rivers in or touching the following Montana counties: Daniels, Dawson, Garfield, McCone, Petroleum, Phillips, Prairie, Richland, Roosevelt, Sheridan, Valley and Wibaux.

Excludes the portion of the Missouri River where it touches Great Falls' HSA.

Great Falls, MT (TFX)

Rivers in or touching the following Montana counties: Beaverhead, Blaine, Broadwater, Cascade, Chouteau, Fergus, Gallatin, Glacier, Hill, Jefferson, Judith Basin, Lewis and Clark, Liberty, Madison, Meagher, Pondera, Teton and Toole.

Las Vegas, NV (VEF)

Rivers in or touching the following Nevada counties: Clark, Esmeralda, Lincoln and southern Nye.

Rivers in or touching the following California counties: Inyo and San Bernardino.

Rivers in or touching Mohave County, Arizona, south of the Colorado River.

Excludes:

- The Colorado River until it forms a common boundary between Arizona and Nevada
- The Bill Williams River
- The Santa Maria River
- The portion of San Bernardino County which is to the south and west of a line extending west and east from the Los Angeles County line to Bell Mountain, then south and east from Bell Mountain to the junction of Highways 18 and 247, then south and east along Highway 247 to the junction with Highway 62, then south to the Riverside County line

Los Angeles, CA (LOX)

Rivers in or touching the following California counties: Los Angeles, Santa Barbara, Ventura, and San Luis Obispo.

Medford, OR (MFR)

Rivers in or touching the following California counties: Modoc and Siskiyou, excluding extreme eastern Modoc County.

Rivers in or touching the following Oregon counties: Coos, Curry, Douglas, Jackson, Josephine, Klamath and Lake.

Missoula, MT (MSO)

Rivers in or touching the following Idaho counties: Clearwater, Idaho and Lemhi.

Rivers in or touching the following Montana counties: Deer Lodge, Flathead, Granite, Lake, Lincoln, Mineral, Missoula, Powell, Ravalli, Sanders and Silver Bow,

Excludes:

- The Snake River
- Sawmill Creek
- Camp Creek and the portion of the Big Hole River which touches Great Falls' HSA
- The Middle Fork Salmon River where it forms a boundary between Missoula and Boise's HSA

Pendleton, OR (PDT)

Rivers in or touching the following Oregon counties: Crook, Deschutes, Gilliam, Grant, Jefferson, Morrow, Sherman, Umatilla, Union, Wallowa, Wasco and Wheeler.

Rivers in or touching the following Washington counties: Benton, Columbia, Franklin, Kittitas, Klickitat, Walla Walla, and Yakima.

Includes the Grande Ronde River in Asotin county, Washington.

Excludes:

- The White Salmon basin in Klickitat county
- The portion of the Columbia River which touches Spokane's HSA
- The Palouse River which touches Franklin county

Phoenix, AZ (PSR)

Rivers in or touching the following Arizona counties: Gila, La Paz, Maricopa, Pinal and Yuma.

Rivers in or touching the following California counties: Imperial and Riverside.

Includes:

- The White and Black River basins in Navajo and Apache Counties
- The inflow point to Horseshoe Reservoir

- The portion of Joshua Tree National Monument that extends into San Bernardino County

Excludes:

- The Gila River at Kelvin, Arizona and on upstream
- The entire San Pedro River basin
- The entire San Carlos River
- The Santa Maria River
- The East Verde River basin
- The Santa Cruz River to Eloy in Pinal County
- The western portion of Riverside County west and south of Joshua Tree National Monument to a north/south line to Desert Beach, then west and south around the end of the Salton Sea to the San Diego/Imperial county line

Pocatello, ID (PIH)

Rivers in or touching the following Idaho counties: Bannock, Bingham, Blaine, Bonneville, Butte, Caribou, Cassia, Clark, Custer, Fremont, Jefferson, Lincoln, Madison, Minidoka, Onedia, Power and Teton.

Excludes:

- The Bear River basin in Caribou County
- The Pahsimeroi River, Big Creek, Warm Springs Creek, Loon Creek and the Middle Fork Salmon River where each of these touch adjacent HSAs

Portland, OR (PQR)

Rivers in or touching the following Oregon counties: Benton, Clackamas, Clatsop, Columbia, Hood River, Lane, Lincoln, Linn, Marion, Multnomah, Polk, Tillamook, Washington and Yamhill.

Rivers in or touching the following Washington counties: Clark, Cowlitz, Pacific, Skamania and Wahkiakum.

Includes the White Salmon basin in Klickitat county.

Reno, NV (REV)

Rivers in or touching the following 8 Nevada counties: Carson City, Churchill, Douglas, Lyon, Mineral, Pershing, Storey and Washoe.

Rivers in or touching the following 2 California counties: Lassen and Mono.

Includes the California Rivers in extreme eastern Modoc, eastern Plumas and eastern Sierra Counties (same as CWA) and all rivers east of the Sierra Mountain crest in Alpine, El Dorado, Nevada and Placer Counties.

Sacramento, CA (STO)

Rivers in or touching the following California counties: Amador, Butte, Calaveras, Colusa, Glenn, Lake, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tuolumne, Yolo and Yuba.

Includes the rivers in California in western Plumas and western Sierra Counties (same as CWA) and all rivers west of the Sierra Mountains crest in Alpine, El Dorado, Nevada and Placer Counties.

Excludes:

- The short section of the San Joaquin River which forms a common boundary with San Joaquin Valley's HSA
- The rivers within Yosemite National Park in Tuolumne County

Salt Lake City, UT (SLC)

Rivers in or touching the following 24 Utah counties: Beaver, Box Elder, Cache, Carbon, Davis, Duchesne, Emery, Garfield, Iron, Juab, Kane, Millard, Morgan, Piute, Rich, Salt Lake, Sanpete, Sevier, Summit, Tooele, Utah, Wasatch, Washington, Wayne and Weber.

Rivers in or touching Unita County, Wyoming.

Rivers in or touching the following Idaho counties: Bear Lake and Franklin.

Rivers in the following Arizona counties: Coconino and Mohave, north of the Colorado River, including the Colorado River until it forms a boundary between Arizona and Nevada.

Includes:

- The Bear River drainage in Caribou County, Idaho
- Lake Powell and its adjacent national park and wilderness area San Juan county

Excludes the Green River along the Emery/Grand county line.

San Diego, CA (SGX)

Rivers in or touching the following California Counties: San Diego and Orange.

Includes:

- The western portion of Riverside County west and south of the Joshua Tree National Monument to a north/south line to Desert Beach, then west and south around the end of the Salton Sea to the San Diego/Imperial County line
- The portion of San Bernardino County which is to the south and west of a line extending west and east from the Los Angeles County line to Bell Mountain, then south and east from Bell Mountain to the junction of Highways 18 and 247, then south and east along Highway 247 to the junction with Highway 62, then south to the Riverside County line

San Francisco, CA (MTR)

Rivers in or touching the following California counties: Alameda, Contra Costa, Marin, Monterey, Napa, San Benito, San Francisco, San Mateo, Santa Clara, Santa Cruz and Sonoma.

Excludes the main stems of the lower Sacramento, the lower San Joaquin, the Santa Maria and Cuyama Rivers.

San Joaquin Valley, CA (HNX)

Rivers in or touching the following California counties: Fresno, Kern, King, Madera, Mariposa, Merced and Tulare.

Includes the rivers within Yosemite National Park in Tuolumne County.

Seattle, WA (SEW)

Rivers in or touching the following Washington counties: Clallam, Grays Harbor, Island, Jefferson, King, Kitsap, Lewis, Mason, Pierce, San Juan, Skagit, Snohomish, Thurston and Whatcom.

Spokane, WA (OTX)

Rivers in or touching the following Idaho counties: Benewah, Bonner, Boundary, Kootenai, Latah, Lewis, Nez Perce and Shoshone.

Rivers in or touching the following Washington counties: Adams, Asotin, Chelan, Douglas, Ferry, Garfield, Grant, Lincoln, Okanogan, Pend Oreille, Spokane, Stevens and Whitman.

Excludes:

- The Salmon River, portions of the Snake and Clearwater Rivers, and Lawyers Creek, which touch other HSAs
- The Grande Ronde River in Asotin County

Tucson, AZ (TWC)

Rivers in or touching the following Arizona counties: Cochise, Graham, Greenlee, Pima and Santa Cruz.

Includes:

- The main stem of the Gila River downstream to and including Kelvin
- The San Pedro River basin in Pinal County
- The Santa Cruz River to Eloy in Pinal County

Excludes the Black River basin.